

1 I claim:

2 1. An induction heating system comprising:

3 an electrical power supply;

4 first electrical lead means electrically attached to said
5 electrical power supply, said first electrical lead
6 means for conducting electrical power from said
7 electrical power supply to capacitor means;

8 capacitor means electrically connected to said first
9 electrical lead means;

10 secondary lead means electrically connected to said
11 capacitor means, said secondary lead means for
12 conducting electrical currents to or from said
13 capacitor means;

14 stripping head means including an electrically conductive
15 coil member electrically connected to said secondary
16 lead means.

17
18 2. An induction heating system comprising:

19 an electrical power supply;

20 first and second primary leads electrically connected to
21 set power supply, said first and second primary
22 leads being constructed of elongate, flexible
23 electrical cable;

1 first and second capacitors electrically connected,
2 respectively, to send first and second primary
3 leads;

4 first and second secondary leads electrically connected,
5 respectively, to said first and second capacitors,
6 said first and second secondary leads being
7 constructed of elongate, flexible electrical cable;
8 and

9 stripping head means electrically connected to said first
10 and second secondary leads.

11
12 3. A method for heating metallic items for loosening
13 coatings or protective layers adhered thereto comprising
14 the steps of:

15 selecting and induction heating system comprising:

16 an electrical power supply;

17 first electrical lead means electrically attached to
18 said electrical power supply, said first
19 electrical lead means for conducting electrical
20 power from said electrical power supply to
21 capacitor means;

22 capacitor means electrically connected to said first
23 electrical lead means;

1 secondary lead means electrically connected to said
2 capacitor means, said secondary lead means for
3 conducting electrical currents to or from said
4 capacitor means;

5 stripping head means including an electrically
6 conductive coil member electrically connected
7 to said secondary lead means.

8 juxtaposing in said stripping head means to a metallic
9 item to which is adhered a to-be-removed coating or
10 protective layer;

11 actuating said the electrical power supply;

12 maintaining said stripping head means in juxtaposition
13 with said metallic item for a time sufficient to
14 heat said metallic item and loosen said coating or
15 protective layer from said metallic item.

16
17 4. A method for stripping rubber-like linings from
18 chemical transport tank cars and trailers and from
19 chemical storage tanks comprising the steps of:

20 selecting an induction heating system comprising:

21 an electrical power supply;

22 first electrical lead means electrically attached to
23 said electrical power supply, said first

1 electrical lead means for conducting electrical
2 power from said electrical power supply to
3 capacitor means;
4 capacitor means electrically connected to said first
5 electrical lead means;
6 secondary lead means electrically connected to said
7 capacitor means, said secondary lead means for
8 conducting electrical currents to or from said
9 capacitor means;
10 stripping head means including an electrically
11 conductive coil member electrically connected
12 to said secondary lead means.
13 actuating said the electrical power supply;
14 juxtaposing said stripping head means to a first portion
15 of the lining of a tank car or tank to which is
16 adhered a to-be-removed coating or protective
17 lining;
18 maintaining said stripping head means in juxtaposition
19 with said first portion for a time sufficient to
20 heat a corresponding first portion of the underlying
21 metal of said tank car or tank to loosen said
22 coating or protective lining therefrom;

1 juxtaposing said stripping head means to a second portion
2 of the lining of a tank car or tank to which is
3 adhered a to-be-removed coating or protective
4 lining; and

5 maintaining said stripping head means in juxtaposition
6 with said second portion for a time sufficient to
7 heat a corresponding second portion of the
8 underlying metal of said tank car or tank to loosen
9 said coating or protective lining therefrom.